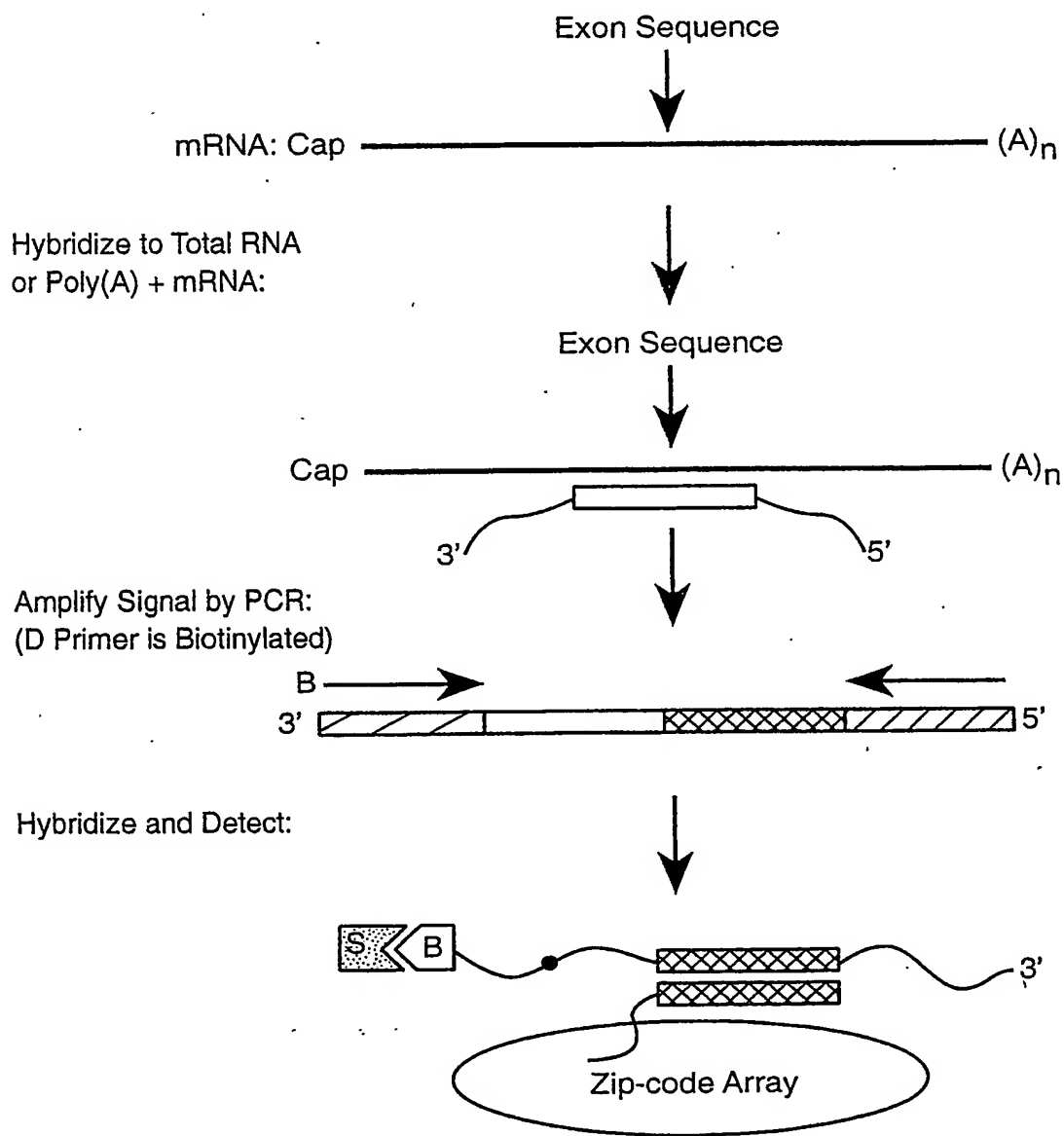


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A Flow Chart for Array-based Detection of Gene Expression


Hybridization Oligo: 3' 5'

U: Upstream universal priming site
 Zip: Unique sequence as a molecular "zip-code"
 EX: Gene-specific exon sequence
 D: Downstream universal priming site

**FIG._1**

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A Flow Chart for Array-based Detection of RNA Alternative Splicing

Hybridization Oligo: 3'  5'

U: Upstream universal priming site
 Zip: Unique sequence as a molecular "zip-code"
 SJ: Gene-specific splice junction
 D: Downstream universal priming site

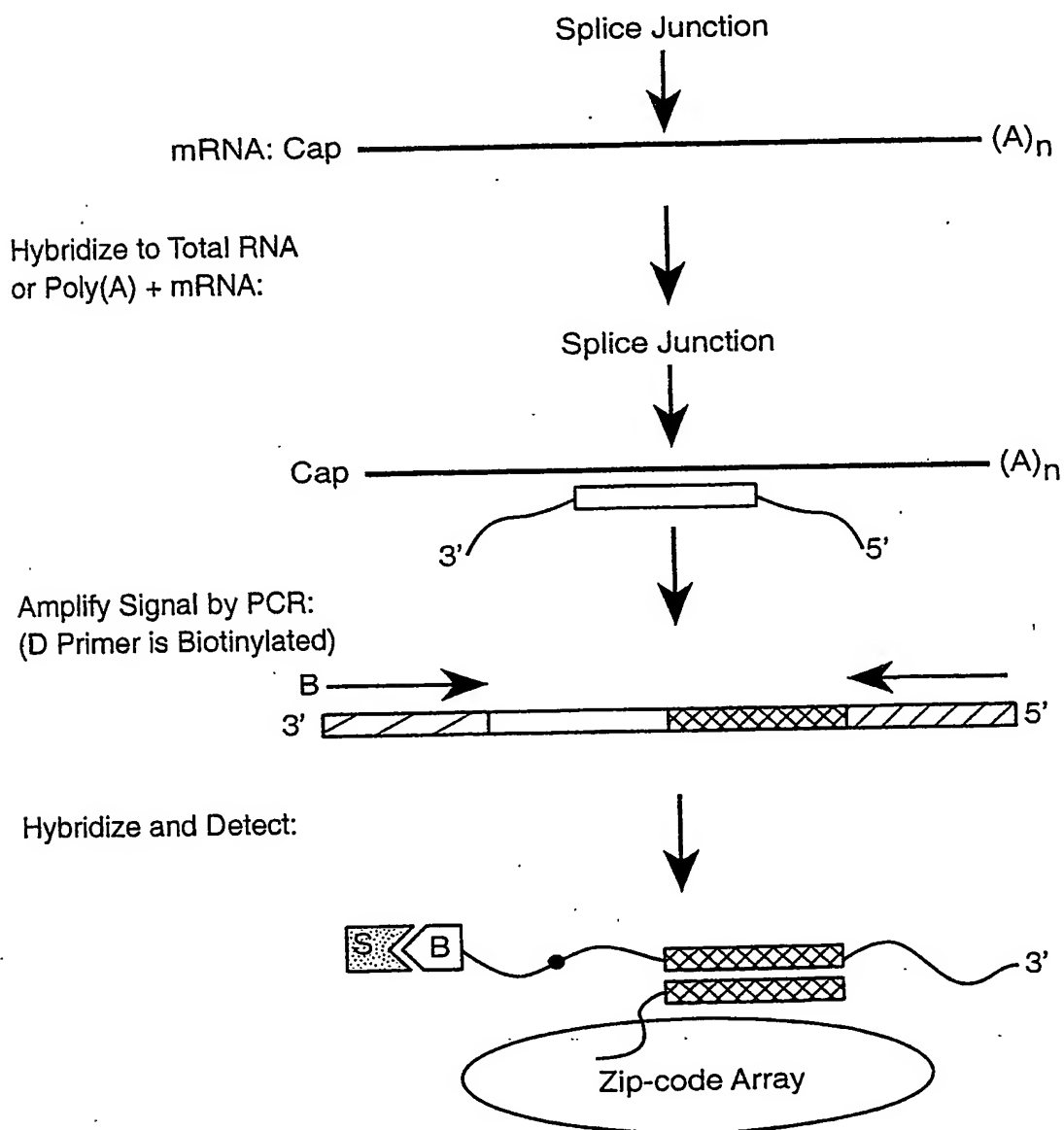
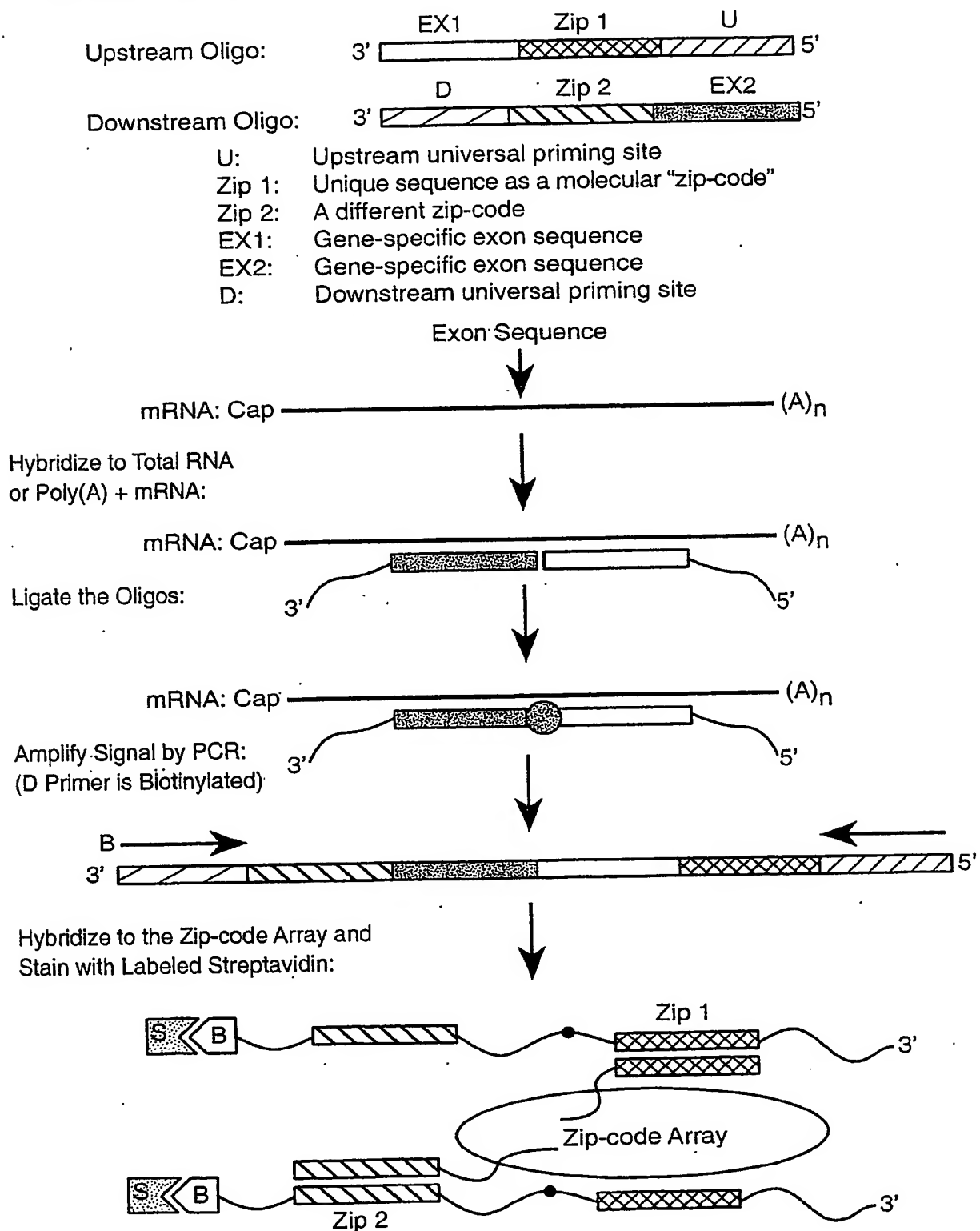


FIG. 2

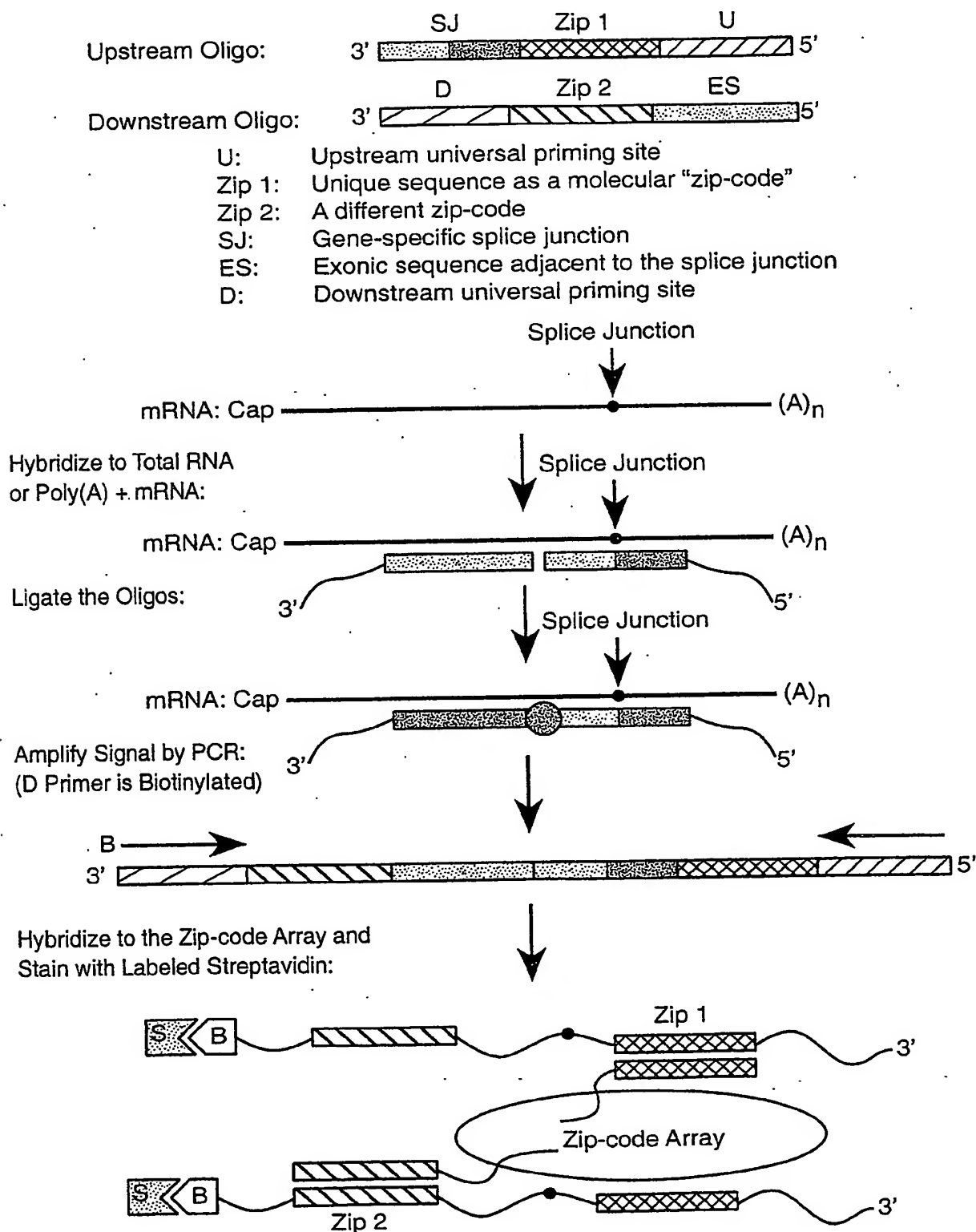
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Genome-wide Gene Expression Profiling Using Oligo-ligation Strategy

**FIG. 3**

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Genome-wide RNA Alternative Splicing Monitoring Using Oligo-Ligation Strategy

**FIG. 4**

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Direct Genotyping Using a Whole-genome Oligo-ligation Strategy

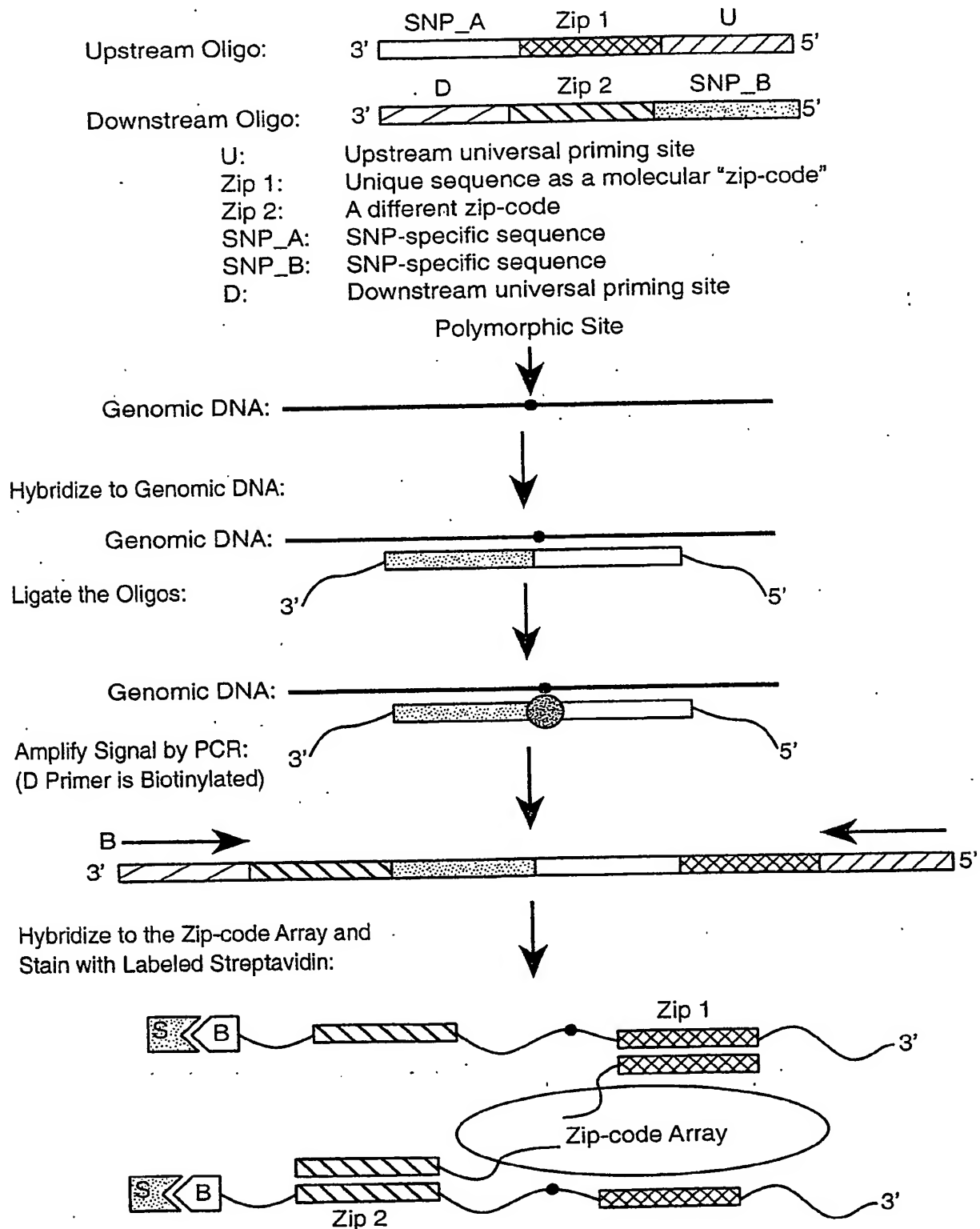


FIG. 5

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Whole-genome Oligo-ligation Strategy

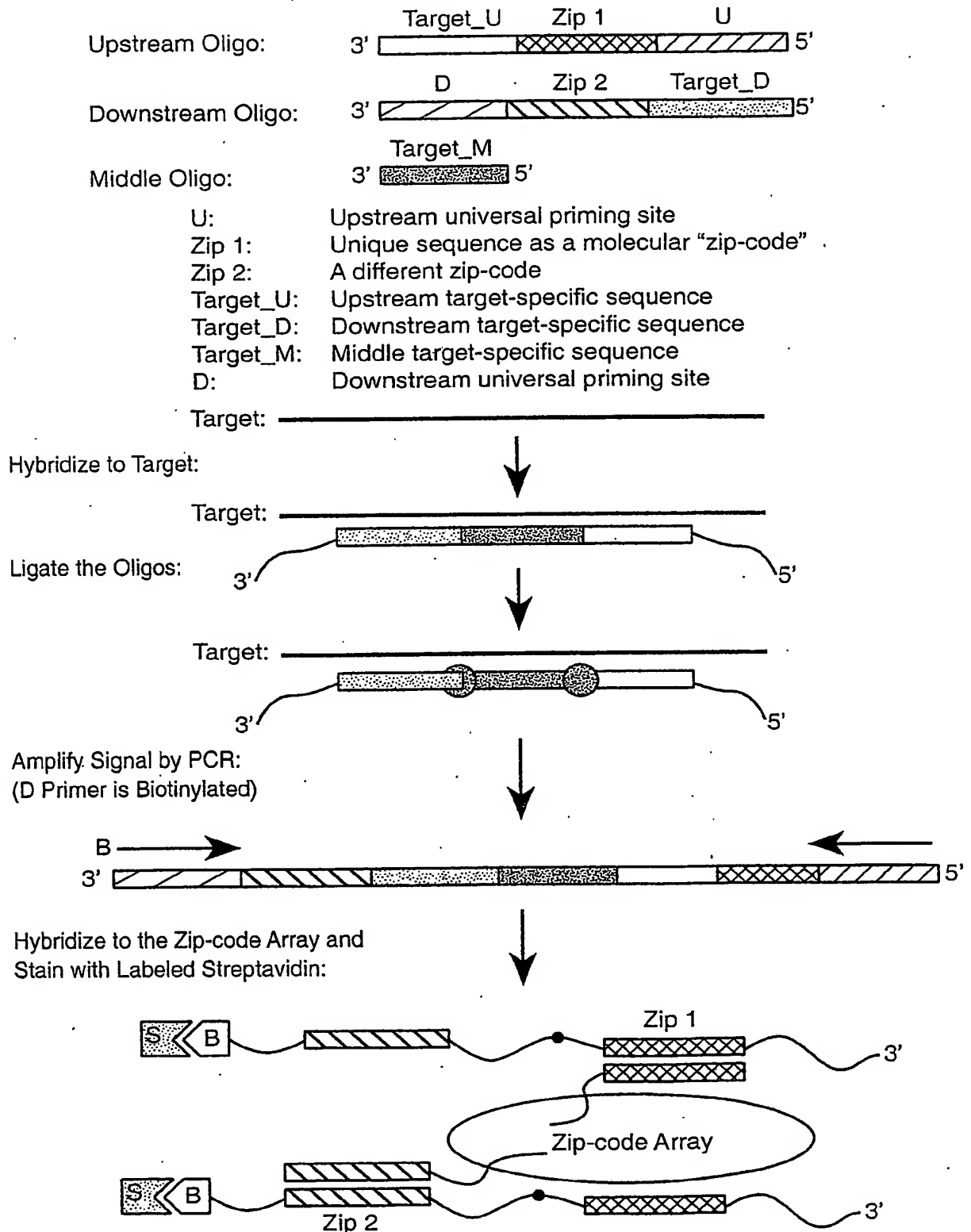
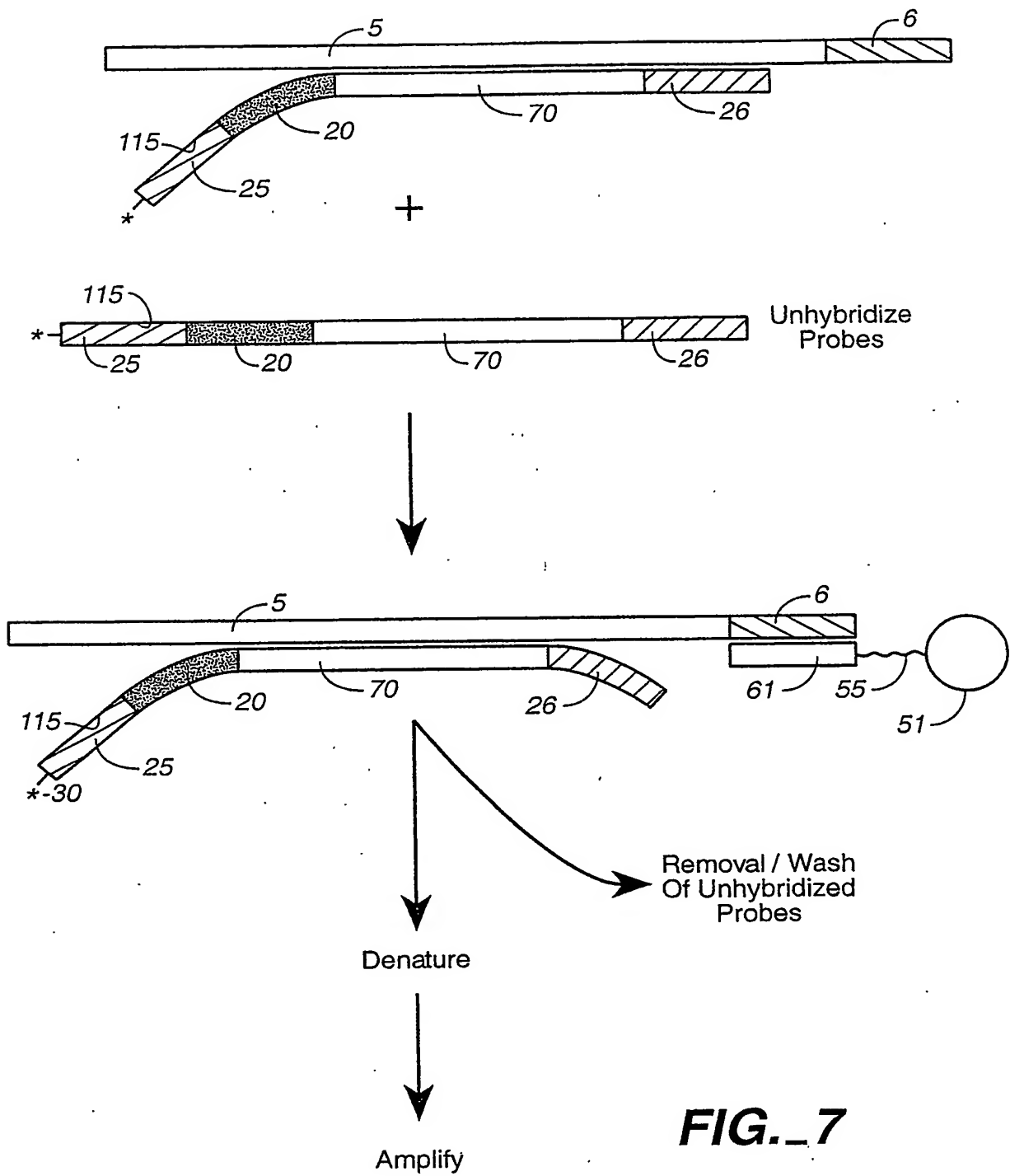
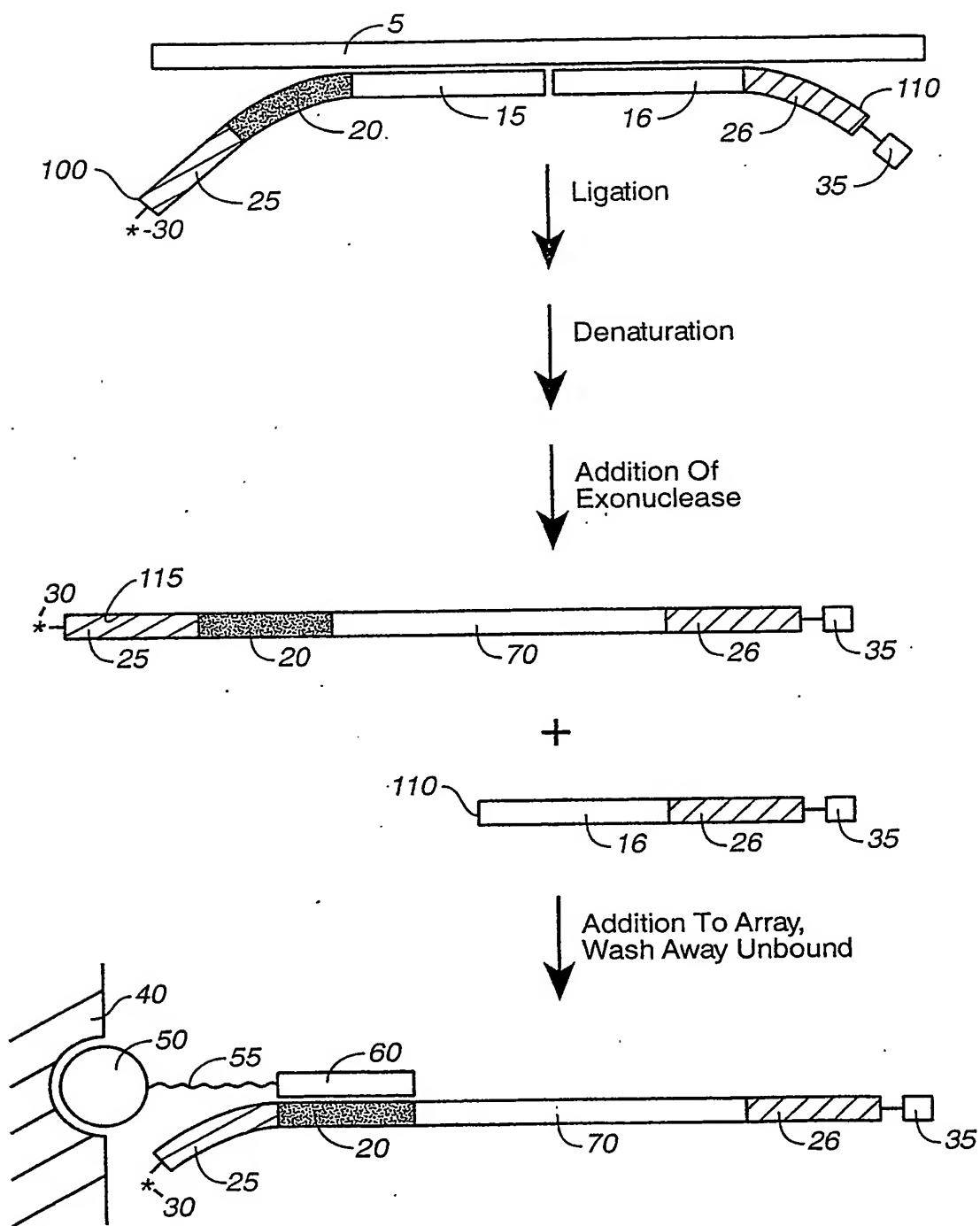


FIG. 6

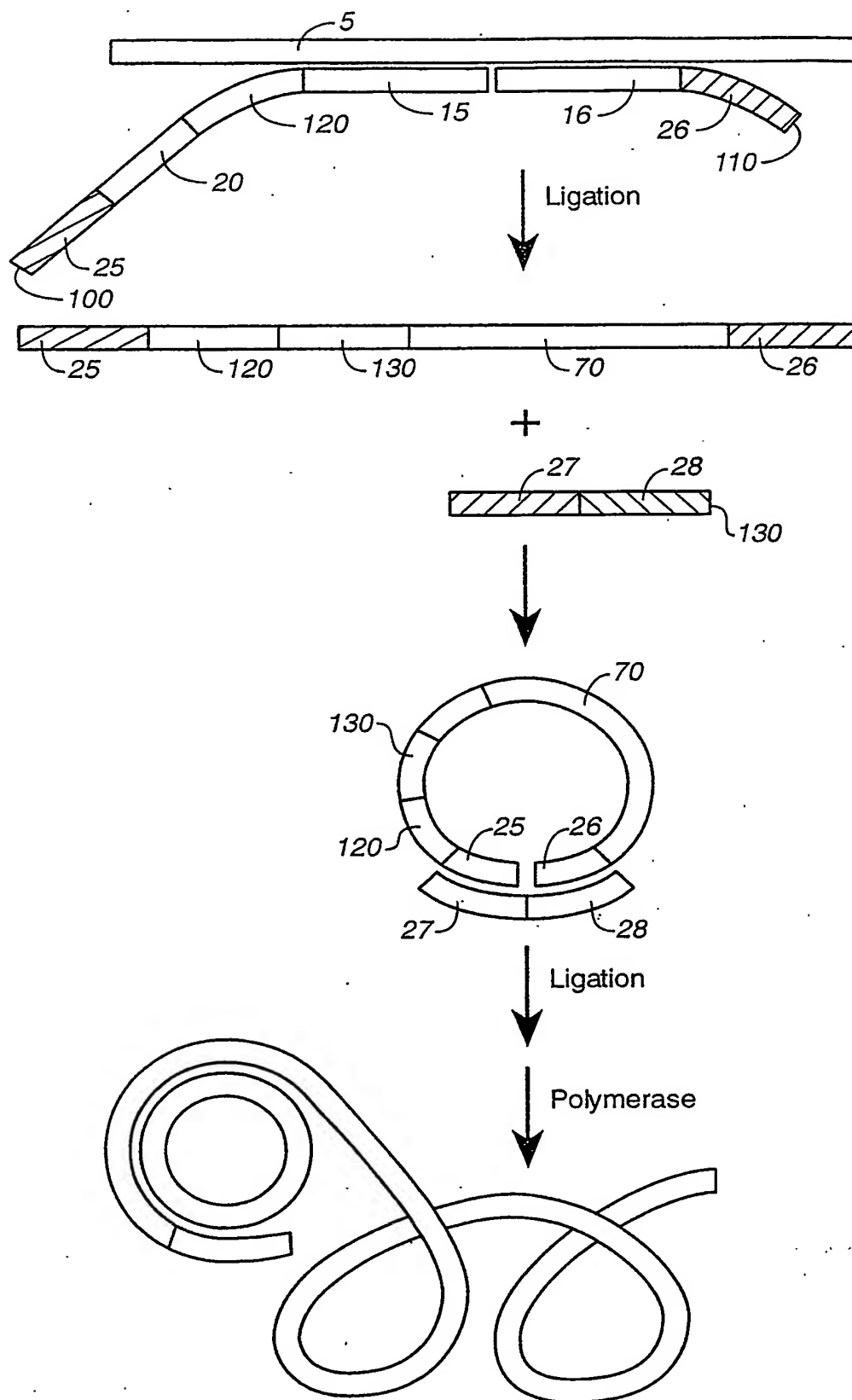
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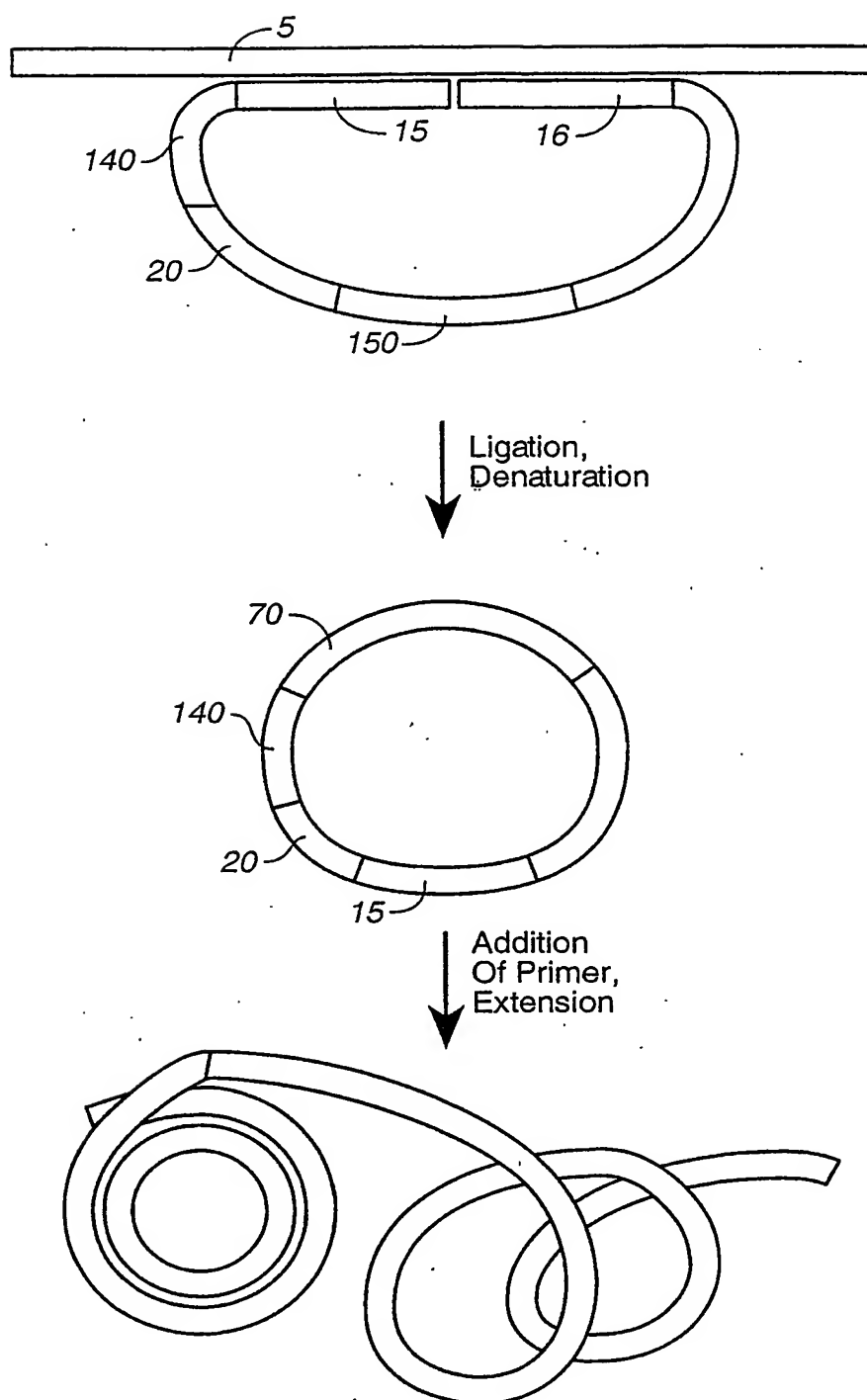
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**FIG. 8**

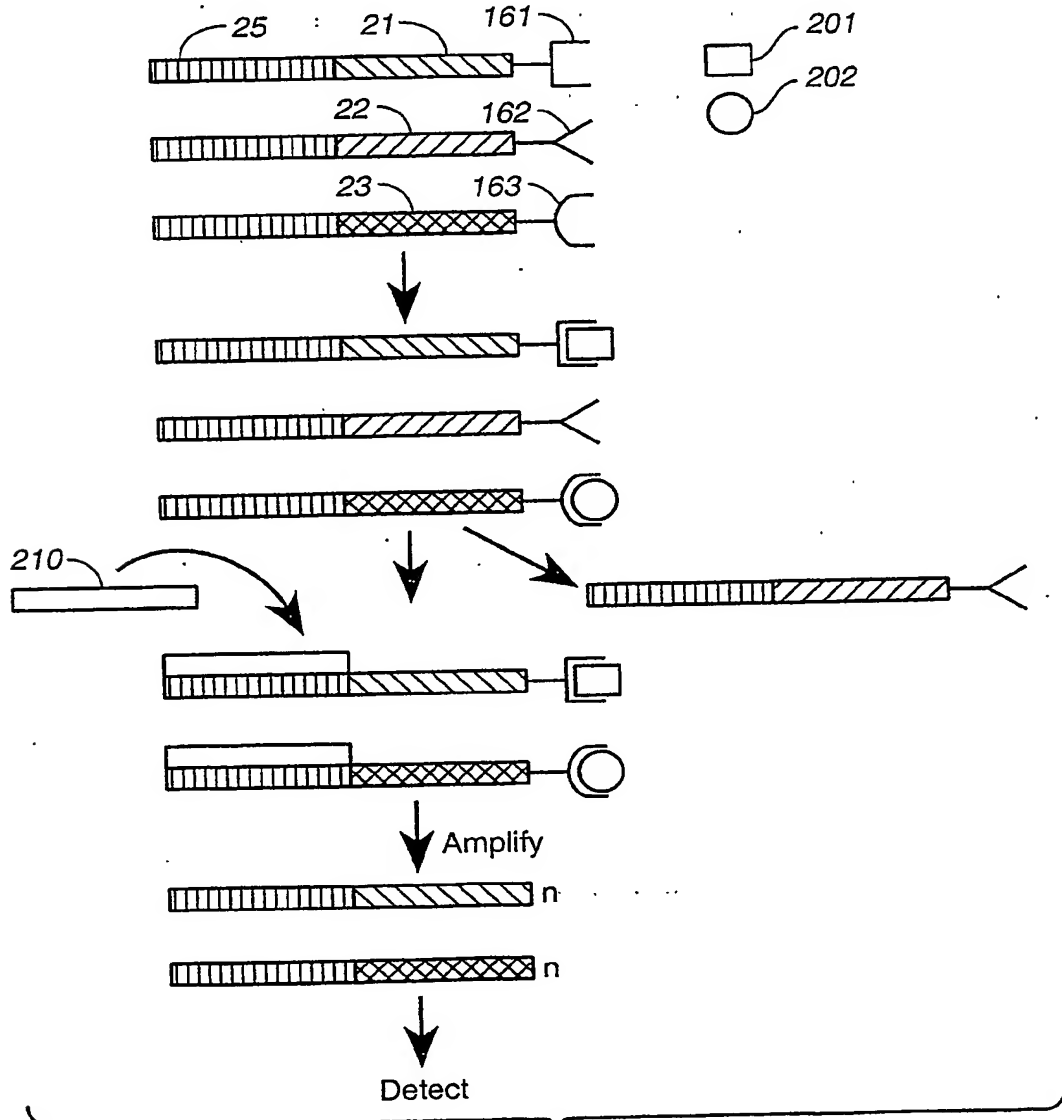
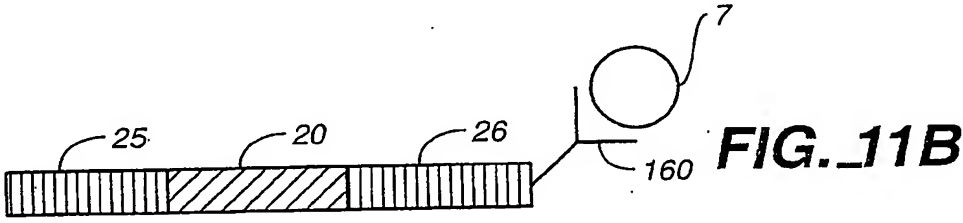
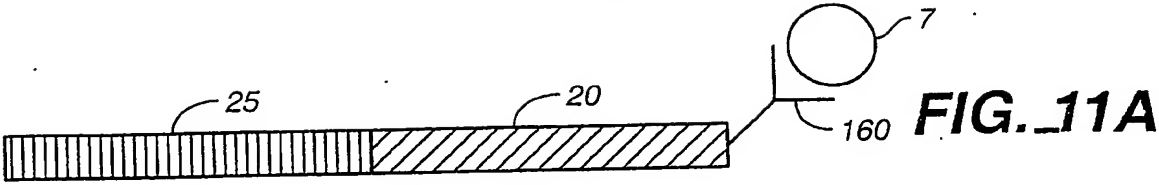
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**FIG._9**

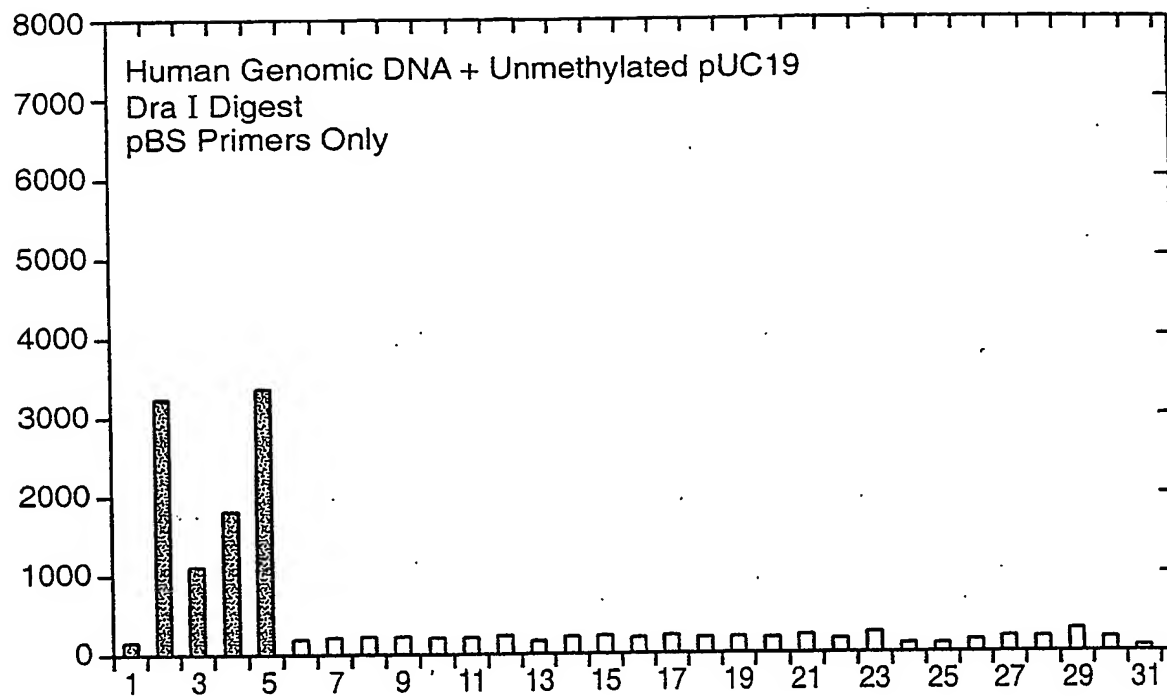
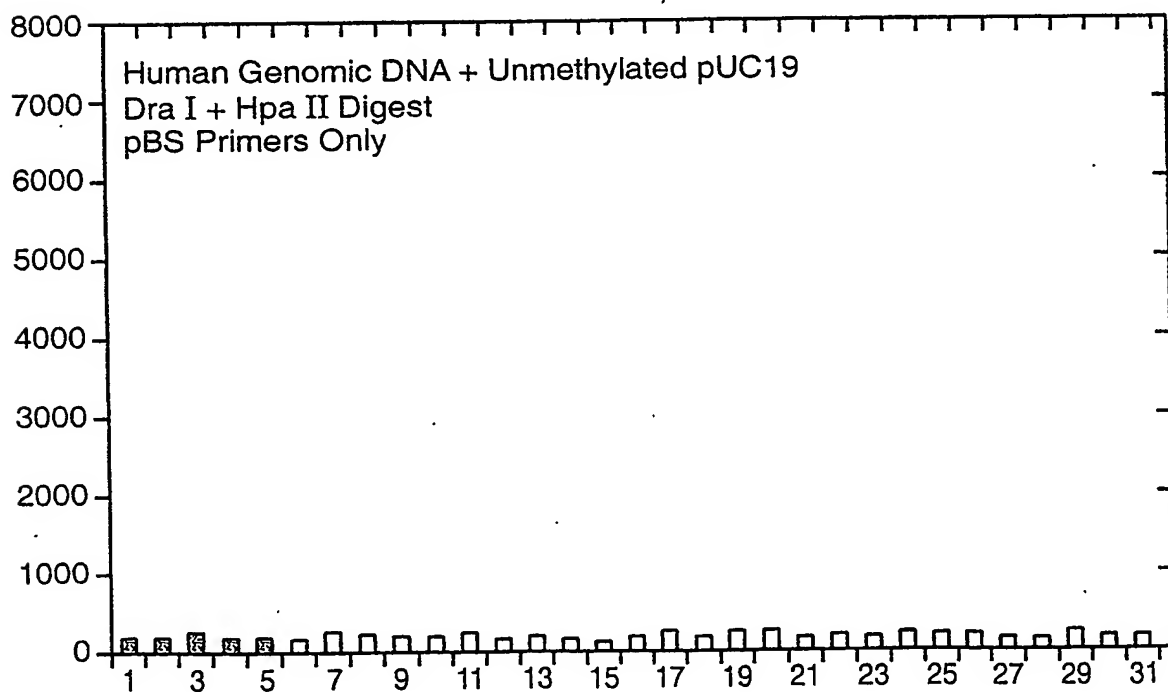
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**FIG. 10**

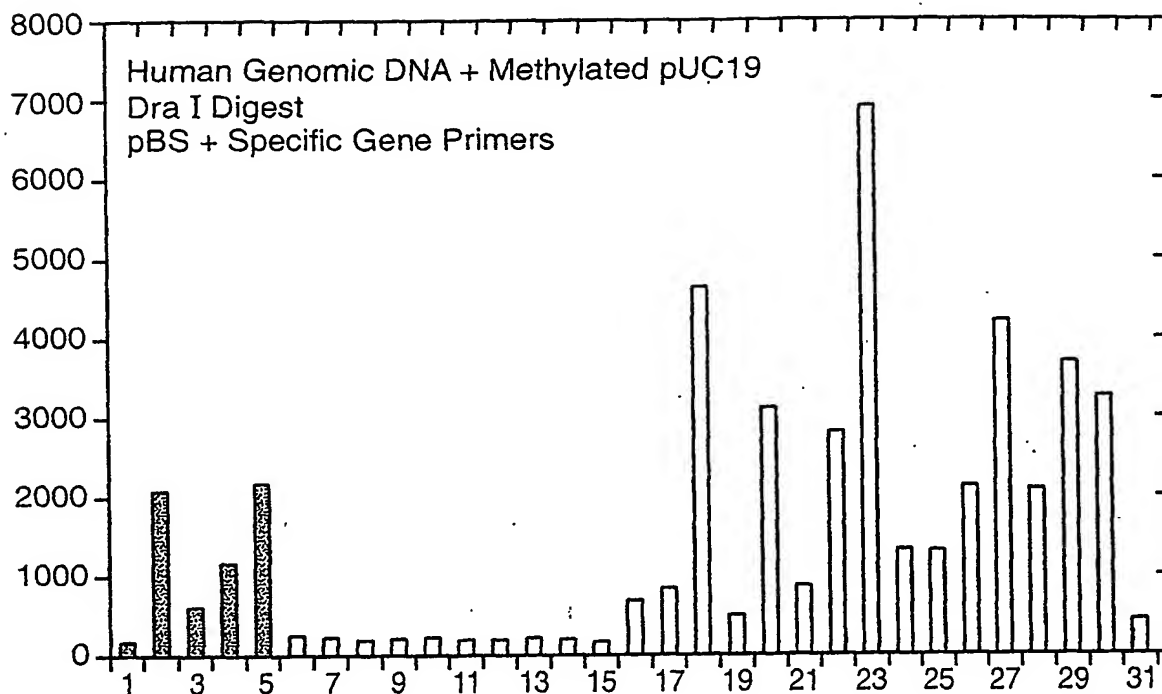
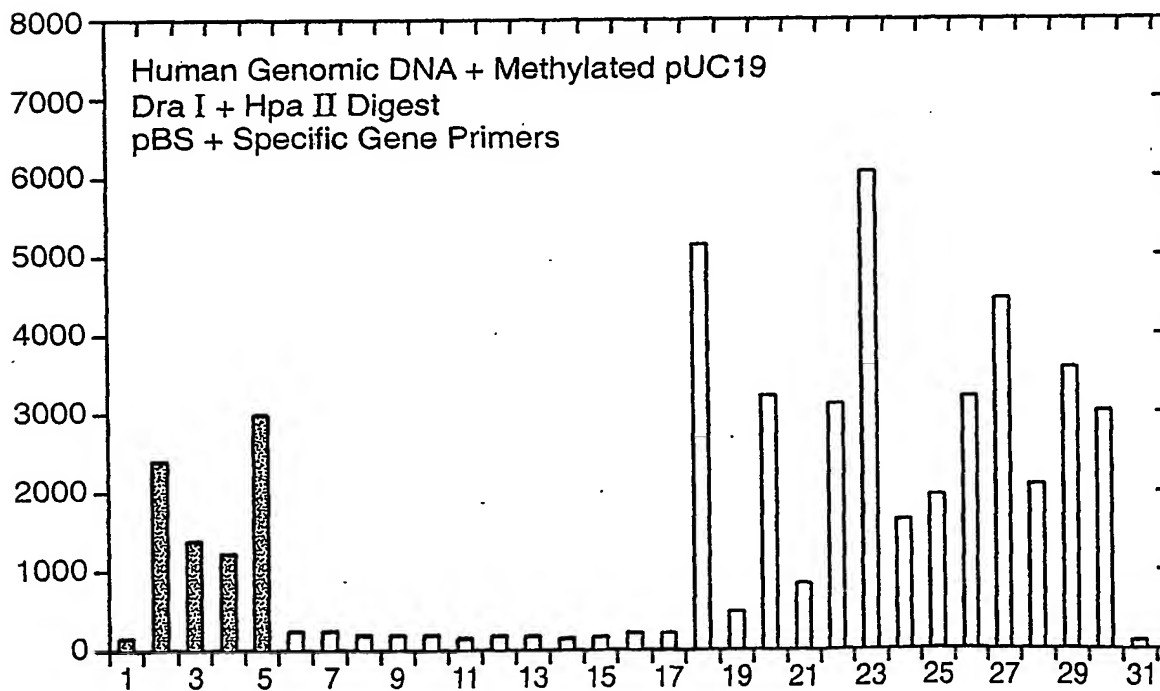
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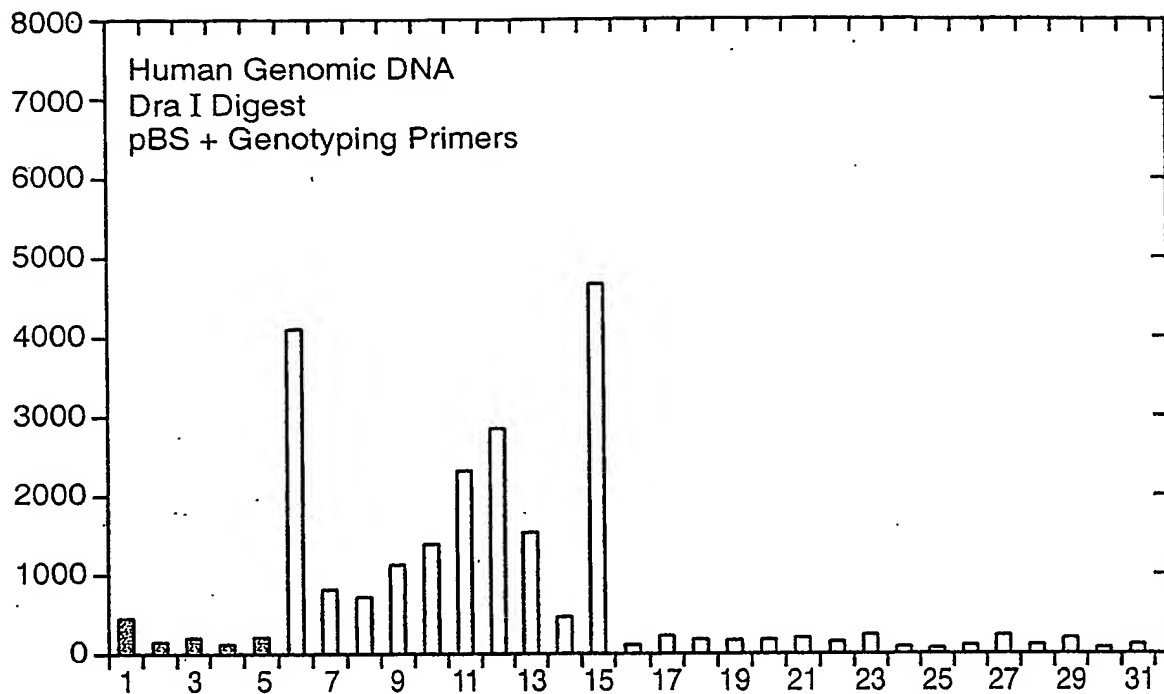
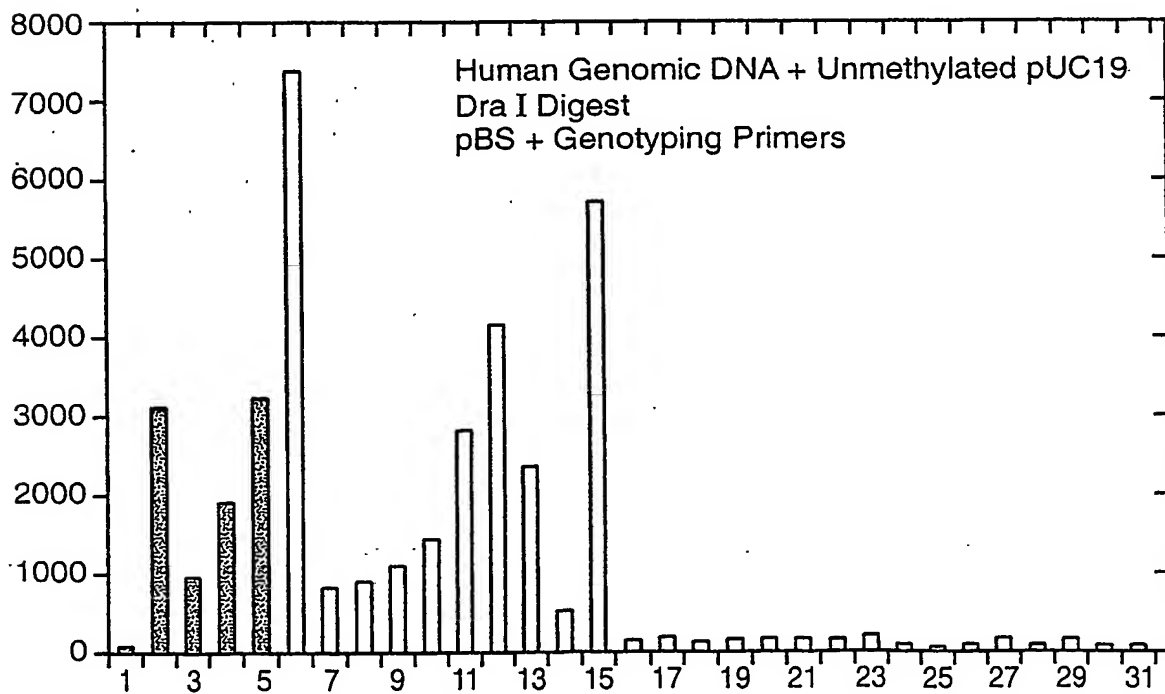
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**FIG. 13A****FIG. 13B**

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**FIG. 13C****FIG. 13D**

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**FIG. 13E****FIG. 13F**